DINUNI FERNANDO

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EDUCATION

State University of New York at Binghamton, USA *January 2015 - May 2019*
PhD in Computer Science GPA: 3.9/4.0
Department of Computer Science

University of Colombo School of Computing, Sri Lanka *August 2009 - February 2014*
Bachelor of Science (Hons) in Computer Science GPA: 3.6/4.0

TEACHING AND RESEARCH EXPERIENCE

- Graduate Research Assistant (2015 - 2019), Binghamton University

- Graduate Teaching Assistant (Spring 2016, Fall 2016, Spring 2017), Binghamton University

- Instructor, University of Colombo School of Computing, 2014

- Research Assistant (2012 - 2013), Wireless Ad-Hoc and Sensor Networks Laboratory, University of Colombo School of Computing, Sri Lanka

- Member (2012 - 2013), Sustainable Computing Research Group, University of Colombo School of Computing, Sri Lanka

PROFESSIONAL ACTIVITIES

- President - Graduate Student Organization of the Computer Science Department, Binghamton University (2017 − 2018)

- Vice President - Graduate Student Organization of the Computer Science Department, Binghamton University (2016 − 2017)

- Senator - Graduate Student Organization of Binghamton University representing Graduate Student Organization of the Computer Science Department (2016 − 2017)

- Chairperson - IEEE student branch of University of Colombo School of Computing, Sri Lanka (2013-2014)

- Coordinator - IEEE student branch of University of Colombo School of Computing, Sri Lanka (2011-2013)

AWARDS

- NSF supported travel Grant Recipient for IEEE INFOCOM 2019, IEEE CLUSTER 2016

- Prof. V.K Samaranayake Memorial Gold medal for the most Outstanding Graduate of the year 2014 - University of Colombo School of Computing

- World Summit Award - 2014

- National Best Quality Software Award, Sri Lanka - 2014

REFEREED PUBLICATIONS

1. **D. K. Fernando**, J. Terner, K. Gopalan, and P. Yang, "Live Migration Ate My VM: Recovering a Virtual Machine after Failure of Post-Copy Live Migration", in Proceedings of IEEE International Conference on Computer Communications (IEEE INFOCOM 2019).

2. **D. Fernando**, K. D. Kang, and Y. Zhou, "An Adaptive Closed-Loop Approach for Timely Data Services", In Proceedings of the 23rd IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2017).

3. **D. Fernando**, H. Bagdi, Y. Hu, P. Yang, K. Gopalan, C. Kamhoua, and K. Kwiat, "Quick Eviction of Virtual Machines Through Proactive Live Snapshots", IEEE/ACM International Conference on Utility and Cloud Computing (UCC 2016).

4. **D. Fernando**, H. Bagdi, Y. Hu, P. Yang, K. Gopalan, C. Kamhoua, and K. Kwiat, " Quick Eviction of Virtual Machines Through Proactive Snapshots", Refereed Poster, IEEE International Conference on Cluster Computing (CLUSTER 2016).

5. **D. Fernando**, N. Kodikara, and C. Keppetiyagama, "3D Radar Modeling Virtual Maritime Environment For the Static Environment Perception", International Conference on Robotics, Biomimetics, Intelligent Computational Systems, (ROBIONETICS 2013).

6. **D. Fernando**, N. Kodikara, and C. Keppetiyagama, "Mathematical Model for Radar in 3D Virtual Maritime Environment to Aid Dynamic Perception", International Journal of Simulation Systems Science Technology, (IJSSST), 14 (4), 2013.

7. L. Weerawarne, A. Sayakkara, **D. Fernando**, C. Suduwella, and K. De Zoysa, "TikiriPower - Using TikiriDB abstraction on Smart Home systems", International Conference on Advances in ICT for Emerging Regions, (ICTer 2012).

8. S. Udalagama, L. Sahabandu, L. Samarkoon, **D. Fernando**, P. Chanthirasegaran, S. Udana, D. Asanga, C. Fernando, C. Keppetiyagama, and C. Ranasinghe, "A sustainable mechanism for gathering road traffic data using smart-phones", Advances in ICT for Emerging Regions, (ICTer 2012).